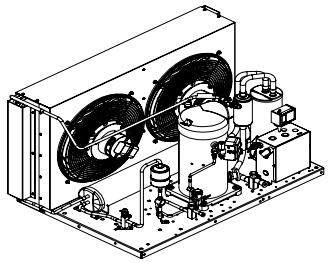
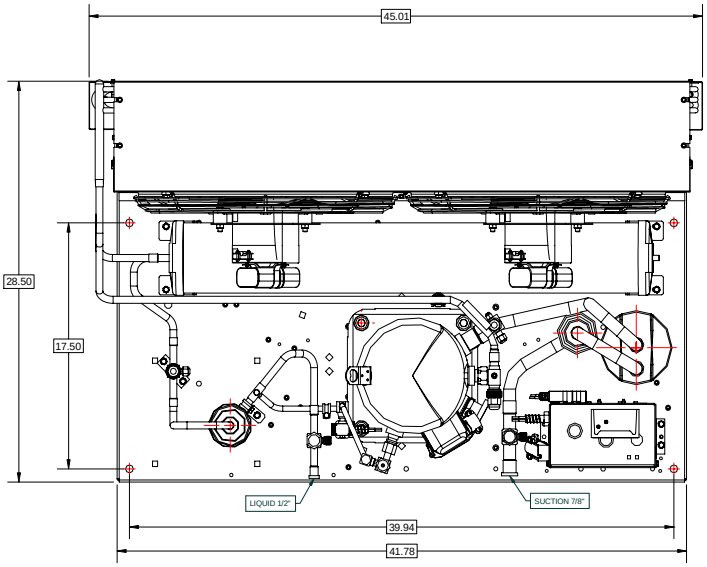
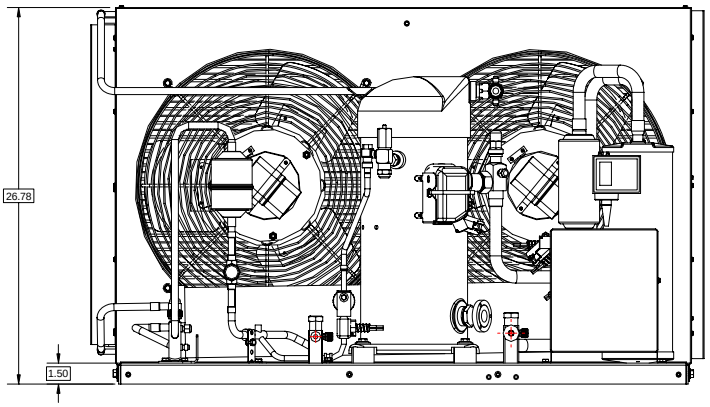
TECUMSEH HERMETIC CONDENSING UNIT

Model	**VSAG517ZXTXM**
BOM	**32T4242-2**
Air Cooled	**4 ¼ HP**
Application	**Low Temp**
Refrigerant	**R404A**







VSAG517ZXTXM	Dimensions (inch)*			Line connections		Pumpdown	Air flow	Oil Ch.	Gross weight
	L	W	H	Suction	Liquid	90% @ 90°F	SCFM	Oz.	Lbs.
	44.97	28.50	26.78	7/8 Sweat	1/2 Sweat	33.44	4200	24	350

*) Mounting Holes, 17.50 x 39.94

Factory charge 20 psig dry air, **MUST BE EVACUATED**

Evaporator		Ambient Temperatures															
		80°F				90°F				100°F				110°F			
T, °F	PSIG	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T
-40	5.5	8300	3530	201	89	7500	3890	234	99	7200	4240	271	110	6400	4610	312	120
-35	8.0	9700	3580	205	90	8700	3930	238	101	8300	4280	274	111	7300	4640	315	121
-30	10.7	11200	3660	209	92	10000	4000	242	102	9400	4340	278	112	8400	4690	318	122
-25	14.0	12800	3750	213	93	11400	4090	246	103	10700	4430	282	113	9500	4770	321	122
-20	17.1	14400	3870	218	95	12900	4200	250	104	12100	4530	286	114	10800	4860	325	123
-15	19.3	16200	4000	223	96	14500	4320	255	106	13500	4640	290	115	12100	4970	329	124
-10	**24.5**	**18000**	**4140**	**228**	**98**	**16200**	**4460**	**260**	**107**	**15100**	**4770**	**295**	**116**	**13600**	**5090**	**333**	**125**
-5	28.8	19800	4300	234	99	17900	4610	266	108	16700	4910	300	117	15100	5220	337	126
0	33.5	21800	4460	240	101	19700	4760	272	110	18400	5060	305	119	16800	5360	342	127
5	36.5	23800	4630	247	103	21600	4920	278	112	20200	5210	311	120	18500	5500	348	128
10	43.7	25900	4800	254	105	23600	5080	285	113	22100	5360	318	122	20300	5650	353	130

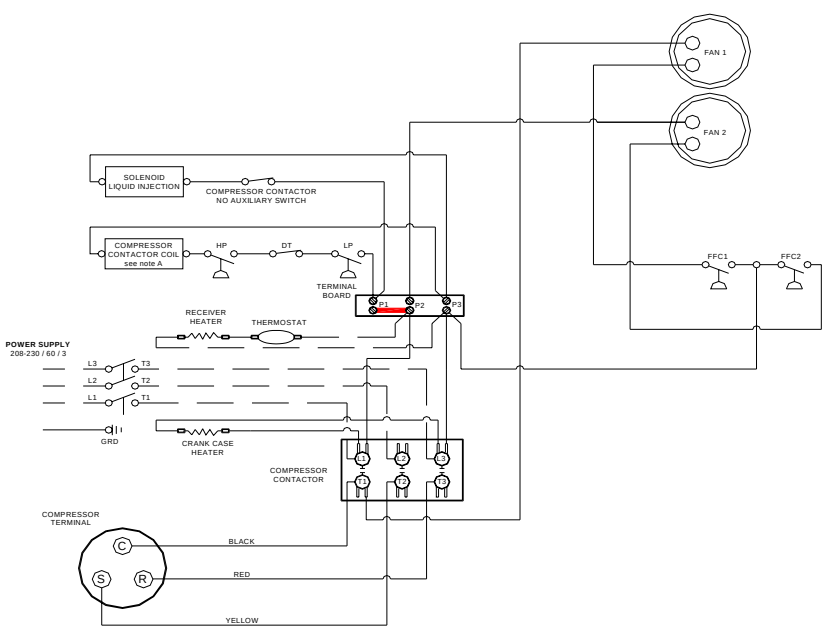
Performance @ 60 Hz, Return gas 40°F, SubCooling 5°F

PRELIMINARY PERFORMANCE DATA

Parts/Specifications

Unit BOM	**32T4242-2**	Fan Motor	810S186B40
Unit MODEL	**VSAG517ZXTXM**	Fan Motor Qty	2
		Fan Motor RLA	1.9
Refrigeration RANGE	-40°F to 10°F	Fan Blade	51528-3
Design Pressure Low	181	Fan Guard	70832
Design Pressure High	450	Shroud	70611-1
Volts - HZ - Ph	200-230V 3~ 60HZ		
Voltage Range	180 - 253	High Pressure switch	84095-2
Min. Circuit Ampacity	19.56	Low Pressure Control	84026-2
Max. Fuse Size	30	Dual Pressure Conrol	
Compressor MODEL	VSAG514ZXT	Condenser	50785-4
Compressor BOM	VS118RT-006-A4	Head Master Valve	
Compressor LRA	96	Check Valve	
Compressor RLA	12.61	Process Valve	
		Liquid Valve	
OverLoad	INTERNAL	Suction Valve	31529-2
Relay			
Run Capacitor		Receiver	51084
Run Capacitor Rating		Receiver Qty	1
Start Capacitor		Accumulator	TK00044000
Start Capacitor Rating		Liquid Filter	52000-164D
Contactor	91014B	Sight Glass	70084-2
		Suction Filter	70822-5S
Unit Drawing	DGU1950-14		
Wiring Diagram	WD23-2FL	CrankCase Heater	

IMPORTANT:
COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.
USE COPPER CONDUCTORS ONLY.
(EMPLOYER DES CONDUCTEUERS DE CUIVER SEULEMENT.)



NOTES

FIELD WIRING NOTES

1. ALL FIELD WIRING MUST BE DONE IN COMPLIANCE WITH ALL APPLICABLE LOCAL AND NATIONAL CODES.
2. CONNECT INCOMING POWER LEADS FROM POWER SUPPLY TO L1, L2, AND L3 IN COMPRESSOR CONTACTOR OR TO L1, L2 AND L3 IN DISCONNECT SWITCH (IF PROVIDED). USE COOPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT.) PROVIDE EQUIPMENT GROUNDING CONDUCTOR. USE 75°C (MIN.) WIRING
3. IF REQUIRED INSTALL SYSTEM REMOTE CONTROL BETWEEN P1 AND P2 IN TERMINAL BLOCK AND REMOVE THE JUMPER

GENERAL NOTES:

A. CONTACTOR COIL CIRCUIT IS FACTORY CONNECTED TO 230 V SOURCE IN PANEL AS SHOWN
B. COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.

FFC1 (FFC2) — FAN CONTROL 1 (2)
LP — LOW PRESSURE CONTROL
HP — HIGH PRESSURE SWITCH
DT — DISCHARGE LINE THERMOSTAT
FACTORY COMPONENTS
OPTIONAL FACTORY COMPONENTS
OPTIONAL FIELD COMPONENTS

CONDENSING UNIT WIRING, 230V 60Hz 3 Ph,
Liquid Injection Solenoid,
Fan control,

REL	WD23-2FL
REVISION	DEC 21, 2010